

CLAIMS

- 1 1. An emergency call placement method for user equipment in idle mode
2 camped on a first cell of a wireless communication network having a first radio
3 access technology comprising the steps of:
4 requesting a radio resource control connection using "emergency call" as an
5 establishment request;
6 changing to a new cell in a different steering area than the first cell; and
7 requesting again a radio resource control connection using "emergency
8 call" as an establishment request.
- 1 2. A method according to claim 1 further comprising the steps of:
2 receiving a radio resource control connection setup message, after the step
3 of requesting again;
4 completing a radio resource control connection setup, after the step of
5 receiving; and
6 sending a connection management service request using "emergency call
7 establishment" as a service type.
- 1 3. A method according to claim 1 wherein the new cell is in a different
2 location area than the first cell.
- 1 4. A method according to claim 3 wherein the step of changing changes to the
2 new cell without performing a location area update.
- 1 5. A method according to claim 3 wherein the new cell is in a different routing
2 area than the first cell.
- 1 6. A method according to claim 5 wherein the step of changing changes to the
2 new cell without performing a routing area update.

- 1 7. A method according to claim 1 wherein the new cell is in a different routing
2 area than the first cell.
- 1 8. A method according to claim 7 wherein the step of changing changes to the
2 new cell without performing a routing area update.
- 1 9. A method according to claim 1 wherein the step of changing comprises
2 redirecting to a new cell.
- 1 10. A method according to claim 1 wherein the step of changing comprises
2 reselecting to a new cell.
- 1 11. A method according to claim 1 wherein the new cell has a same carrier
2 frequency as the first cell.
- 1 12. A method according to claim 1 wherein the new cell has a different carrier
2 frequency than the first cell.
- 1 13. A method according to claim 1 wherein the new cell has a second radio
2 access technology.
- 1 14. A method according to claim 13 wherein the first radio access technology is
2 wideband code division multiplex access (WCDMA).
- 1 15. A method according to claim 13 wherein the second radio access
2 technology is Global System for Mobile Communication (GSM).

1 16. A method for user equipment (UE) in idle mode camped on an old cell to
2 place a call with a wireless communication network comprising the steps of:
3 (a) requesting a radio resource control connection using "emergency call" as an
4 establishment cause;
5 (b) redirecting to a new cell in a different steering area than the old cell and
6 returning to step (a), if a radio resource control connection reject message
7 has been received from the wireless communication network with
8 redirection to a new frequency;
9 (c) redirecting to a new cell in a different steering area than the old cell and
10 returning to step (a), if a radio resource control connection reject message
11 has been received from the wireless communication network with
12 redirection to a new radio access technology;
13 (d) reselecting to a new cell in a different steering area than the old cell and
14 returning to step (a), if a neighboring cell provides better service;
15 (e) completing a radio resource control connection setup, if a radio resource
16 control connection setup message has been received from the wireless
17 communication network; and
18 (f) sending a connection management service request using "emergency call
19 establishment" as a service type.

1 17. A method according to claim 16 wherein the step (b) returns to step (a)
2 without performing a steering area update.

1 18. A method according to claim 16 wherein the step (c) returns to step (a)
2 without performing a steering area update.

1 19. A method according to claim 16 wherein the step (d) returns to step (a)
2 without performing a steering area update.

1 20. A method for user equipment (UE) in idle mode camped on an old cell to
2 place a call with a wireless communication network comprising the steps of:
3 (a) requesting a radio resource control connection using "emergency call" as an
4 establishment cause; and
5 (b) changing to a new cell in a different steering area than the old cell and
6 returning to step (a).

1 21. A method according to claim 20 further comprising the step of:
2 (c) completing a radio resource control connection setup, if a radio resource
3 control connection setup message has been received from the wireless
4 communication network; and
5 (d) sending a connection management service request using "emergency call
6 establishment" as a service type.

1 22. A method according to claim 20 wherein the step (b) returns to step (a)
2 without performing a steering area update.